

BENCZE, J.

2 unknown Hungarian manuscripts on alchemy. Orv. hetil. 105 no.36:
1712-1714 6 S '64.

BENCZE, J.

Ferenc Hutyra. Orv. hetil. 105 no.52:2480-2481 27 D '64.

BENCZE, Jolan, dr.

Excessive dental abrasion and periodontitis. Fogorv. szemle 58
no.9:265-267 S '65.

1. A Debreceni Orvostudományi Egyetem Stomatológiai Klinikájáról
(igazgató: Adler, Péter, dr., egyetemi tanár).

ADLER, Peter, dr.; BENCZE, Jolan, dr.

Non-hereditary segmental amelogenesis imperfecta. Orv. hetil.
106 no.15:677-680 11 Ap '65

1. Debreceni Orvostudományi Egyetem, Stomatológiai Klinika
(igazgató: Adler, Peter, dr.).

BENCZE, Jolan

Late results of treatment of mandibular fractures suffered
in childhood. Acta chir. acad. sci. Hung. 5 no.2:95-104 '64.

1. Stomatologische Klinik (Direktor: Prof. Dr. P. Adler) der
Medizinischen Universität, Debrecen.

SINKOVITS, V., dr.; POLCZER, Gy. dr.; GYULAVARI, O., dr.; BENCZE, J., dr.

Dentition of children newly enrolled into schools in Debrecen.
Fogorv. szemle 58 no.5:148-151 My '65

1. A Debreceni Orvostudományi Egyetem Stomatológiai Klinikájáról
(Igazgató: Adler, Peter, dr. egyetemi tanár).

BENCZE, Jozsef, Dr.

Mosaics from the life of Lajos Markusovszky. II. From the beginning of the war of independence till the launching of the Orvosi Hetilap. Orv. hetil. 99 no.3:103-105; contd. 19 Jan 58.

(BIOGRAPHIES,

Markusovszky, Lajos (Hun))

BENCZE, Jozsef

Mosaics from the life of Lajos Markusovszky. III. From the launching of the Orvosi Hetilap till his death. Orv. hetil. 99 no.4:139-142
26 Jan 58.

(BIOGRAPHIES

Markusovszky, Lajos (Hun))

BENCZE, J.

Gaspar Szegedi Koros. Orv. hetil. 104 no.40:1902-1905 6 0 '63.

(HISTORY OF MEDICINE, 16th CENT.)
(BIOGRAPHIES) (PLAGUE)

BENCZE, Jozse; SZABO, Sandor

Automatic tuning through error signal formed by reactance modulation.
Meres automat 10 no.3:84-88 '62.

1. Tudományos munkatárs, Muszeripari Kutató Intézet (for Bencze).
2. Tudományos osztályvezető, Muszeripari Kutató Intézet (for Szabo).

BENCZE, J.

Franciscus Joel. Orv. hetil. 105 no.4:1901-1903 4 0'64

RUDNAI, Guido, dr.; BENCZE, Jozsef; PETROCZY, Gyorgy

Statistical measuring instrument for recording histograms. *Meres*
automat 12 no.8:250-256 '54.

1. Chair of Railroad Machines, Budapest Technical University.

FOLCZAK, Maria; BUNZE, Jolan

"Accelerated" change of dentition. Acta paediat. acad. sci. Hung.
6 no.3/4:329-346 '65.

1. Stomatologische Klinik der Medizinischen Universität Debrecen.
Submitted April 23, 1965.

BENCZE, J.

Monuments of medical history at Koszeg. Orv. hetil. 106
no.44:2095-2097 31 0'65

BENCZE, József, dr.

Lajos Markusovszky ;1815-1893. Orv. hetil. 106 no.14:655-659
4 Ap '65.

7
CZECHOSLOVAKIA

BERANEK, F., M.D., with technical cooperation of KRIDLOVA, J.,
Institute of Work Hygiene and Occupational Diseases, Brati-
slava, Professor M. ROSAL, M.D., director.

"A Micromethod for the Determination of Allyl Chloride in the
Atmosphere"

Prague, Hygieni Lekarski, Vol XV, No 4, May 63, pp 150-153.

Abstract [authors' English summary]: A selective quantitative
micromethod for determining allyl chloride with phloroglucine
is described. Related allyl derivatives (vinyl, propenyl, etc.)
do not interfere with the determination. The threshold of the
quantitative method is 20 micrograms. Nine references, in-
cluding 1 Slovak.

1/1

CZECHOSLOVAKIA / Chemical Technology. Chemical Prod- H-6
ucts and Their Application. Safety
and Sanitation.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78183.

Author : Benozo, K., Pleskova, A.

Inst : Not given.

Title : Reaction of Pentachlorophenol with 4-Aminoanti-
pyrine.

Orig Pub: Chem. zvesti, 1957, 11, No 10, 621-625.

Abstract: The mechanism of the reaction of pentachlorophen-
ol (I) with 4-aminoantipyrine and the micromethod
of determination of I in biological material are
described. Absorption spectra of the formed anti-
pyrino dye (blue color) as well as calibrated
curves of I are presented. Bibliography with 12
titles. -- T. Brzhevskaya.

Card 1./1

BENCZE, K. ; GALOSI, E.

The Leipzig Fair seen by the eyes of a finisher. p. 258.

MAGYAR TEXTILTECHNIKA. (Textilipari Muszake es Tudomanyos Egyesulet)
Budapest, Hungary, Vol. 11, no. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

PLESKOVA, A.; BENČEK, K.

Toxic properties of pentachlorophenol. Pracovní. lek. 11 no.7:
348-354 S ' 59.

1. Ústav hygieny práce a chorob z povolání v Bratislavě, přednosta
MUDr. I. Klucík.
(PHENOLS toxicol.)

BENCZE, K.; Technicka spolupracá: KRIDLOVA, J.

Micromethod for the determination of allyl chloride in the atmosphere. Prac. lek. 15 no.4:150-153 My '63.

(AIR POLLUTION)	(MICROCHEMISTRY)
(PHLOROGLUCINOL)	(CHLORIDES)

FELLEGGIOVA, M.; BENCZE, K.

Changes in the biological activity and structure of chlortetracycline in foods due to the action of heat. Cesk. hyg. 10 no.3: 214-217 My '65.

1. Vyskumny ustav hygieny, Bratislava.

L 10781-66 EWP(J) RM

ACC NR: AP6004445

SOURCE CODE: CZ/0043/65/000/004/0299/0301

AUTHOR: Bencze, Koloman--Bentse, K.

ORG: Institute of Industrial Hygiene and Occupational Diseases, Bratislava
(Ustav hygieny prace a chorob z povolania)

TITLE: Fast method for determination of benzene and cumene

SOURCE: Chemicke zvesti, no. 4, 1965, 299-301

TOPIC TAGS: spectrophotometry, quantitative analysis, benzene, aromatic hydrocarbon

ABSTRACT: The method uses spectrophotometry in the ultraviolet region and allows to determine the 2 substances in the presence of each other. Concentration range 0 to 1.0 mg/ml. The author thanks J. Kridlova for the technical assistance. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 07 / SUBM DATE: 08Aug64 / OTH REF: 003

Cord 1/1

BENCZE, L.; CZAPODY, I.

Cynegetic bearing of the association of the forests of the flood area of the Lower Danube. p. 230.

AZ ERDO. Budapest, Hungary. Vol. 7, no. 6, June 1958.

Monthly List of East European Accessions (EEAI), EC. Vol. 8, No. 9, September 1959
Uncl.

BENCZE, L.; KERESZTESI, B.; SZILARGYI, L.

Situation of forest protection in the countries of the Council for Economic Mutual Assistance. p. 290.

AZ ERDO. (Országos Erdészeti Egyesület) Budapest, Hungary, Vol. 8, No. 8, Aug. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959,
Uncl.

BENCZE, Lajos, dr., tudományos munkatárs

Experiences in conjunction with the wild winter ensilage. Erdo
12 no.9:417-423 S '63.

1. Erdészeti Tudományos Intézet, Sopron.

BENCZE, I.

Importance of the level of shrubs for forest protection and game economy.

P. 15. (ERDOGAZDASAG ES FAJPAR) (Budapest, Hungary) No. 11, Nov. 1957

SO: Monthly Index of East European Accession (ERAI) D2 Vol. 7, No. 5, 1958

GAGYI PALFFY, Andras, okleveles banyamernok; BENCZE, Laszlo, okleveles banyamernok; SZELE, Mihaly; MARTOS, Ferenc; BUBICS, Gyorgy; LEVARDI, Ferenc

The 1960 general meeting of the Hungarian Mining and Metallurgical Society. Bany lap 93 no.4:221-247 Ap '60.

1. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Banyaszati Szakosztalyanak elnoke, es "Banyaszati Lapok" szerkeszto bizottsagi tagja (for Gagy Palffy).
2. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Olajbanyaszati Szakosztaly elnoke (for Bencze).
3. Orszagos Magyar Banyaszati es Kohaszati Egyesulet elnoke (for Szele).
4. Orszagos Magyar Banyaszati es Kohaszati Egyesulet fottitkara, es "Banyaszati Lapok" szerkeszto bizottsagi tagja (for Martos).
5. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Alapszabalymodosito Bizottsag elnoke (for Bubics).
6. Orszagos Magyar Banyaszati es Kohaszati Egyesulet elnoke, es nehézipari minisster elso helyettese (for Levardi).

BESE, V., Dypl. inz. (Budapest); BENCZE, L., Dypl. inz. (Budapest)

Present state of crude petroleum and natural gas production in Hungary.
Nafta Pol 18 no.10:288-289 0 '62.

CZOTTNER, Sandor; KERTAI, Gyorgy, dr.; DANK, Viktor, dr.; ~~BENCZE, Laszlo;~~
KASSAI, Lajos; ~~BUCSKO, Eva;~~ GALAMEOS, Istvan; NAGY BIRO, Sandor;
TOTH, Janos; NEDEA: Ede; TAKACS, Pal, dr.; SIPOS, Janos; BERECZKY,
Tamas; HALMAY, Jenő; KERESZTES, Matyas, dr.; CORNIDES, Istvan;
BALLA, Sarolta

The 2d Hungarian Conference on Natural Gas. Ipari energia 3
no.10:225-231 0 '62.

1. Nehezipari miniszter (for Czottner).

BENCZE, Laszlo, okleveles banyamernok

The twenty-fifth anniversary of mineral oil mining in Hungary. Bany
lap 95 no.11:754 N '62.

1. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Olajbanyaszati
Szakosztalyanak elnoke.

VARGA, Jozsef, okleveles banyamernok, fomernok; BENCZE, Laszlo, okleveles banyamernok; KISS, Laszlo, okleveles banyamernok, fomernok

Technical development of petroleum engineering and the 25-year old Hungarian petroleum industry. Bany lap 96 no.10:717-732 0'63.

1. Orszagos Koolaj - es Gazipari Troszt, Budapest; "Banyaszati Lapok" szerkeszto bizottsagi tagja (for Varga). 2. Orszagos Koolaj - es Gazipari Troszt vezeregazgathelyettese, Budapest (for Bencze). 3. Daldunantuli Koolaj - es Foldgaztermelo Valalat, Bazakerettye (for Kiss).

ELEK, Jaros, okleveles gépészmérnök; BENCZE, László; PÓR, Péter; BARTA, György; KOVACS, Lajos; KORANYI, György, dr.; KUSZTOS, Ferenc; KUSZAL, Jeno; PONGRACZ, Vladimir

Efficiency of gas consumption of various consumers with special regard to the optimum distribution of energy carriers. Energia es atom 18 no.1:15-17 Ja '65.

1. National Petroleum and Gas Industry Trust, Budapest (for Pora).
2. Ministry of Heavy Industry, Budapest (for Kovacs).

GORENYI, Emil, okleveles gépészmérnök; MAROSI, József; BENES, Zoltán, okleveles
gépészmérnök. ALMADI, József; JAKUS, Vendel; BENCZE, László; PORA,
Ferenc; KOVACS, Lajos; FONGRAC, Vladimir; DÖRÖS, János.

Results obtained in developing gas appliances used in the
heavy industry. Energia és atom 18 no.1:55-60 Ja '65.

1. Combustion Engineering Research Institute of the Ministry
of Metallurgy and Machine Industry (for Gorgényi). 2. National
Petroleum and Gas Industry Trust, Budapest (for Benes). 3. Ministry
of Heavy Industry, Budapest (for Kovacs).

FREUND, Mihaly; ZALAI, Andras; GODE, Istvan; BENKŐZ, László

Determination of highway octane numbers. Magyar Lap 20
no.3:113-118 Mr '65.

1. Hungarian Mineral Oil and Natural Gas Experimental
Institute.

BENCZE, Nora

Transportation policy of the European Economic Community
and its freightage discrimination. Kozleked. kozl. 19
no.16:258-262 21 Ap'63

BFNOZE, Nora, dr.

Perspectives for establishing a free warehouse in Hungary.
Kosleked kosl 20 no.30:507-509 26 J1 '64.

BENCZE, Pal

Correlation between the places of lightning and their geological structure. Geofiz kozl 10 no.1/4:63-68 '62.

ADAM, Antal; BENCZE, Pal

The question of stability of accumulators at photoelectric converters.
Meres automat 10 no.6:184-190 '62.

1. Magyar Tudomanyos Akademia Geofizikai Kutato Laboratoriuma,
Sopron.

BENCZE, Pal; MARCZ, Ferenc

Investigation of peak discharge currents. Muszaki kozl
MTA 32 no.1/4:137-144 '63.

1. Magyar Tudomanyos Akademia Geofizikai Kutato Laboratoriuma,
Sopron.

BENCZE, PETER

MAFKI II (i.e. ketto) kenoolajadalek eloallitasa; zarojelentes.

Veszprem, Hungary, 1952, 46 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

BENCZE, P

BENCZE, P

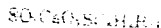
Possibilities of magnetic induction logging in Hungary. p. 422

Vol. 10, No. 7/8, July/Aug., 1955 Budapest, Hungary AUTO MOTOR

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5
No. 3, March, 1956

Distr: ~~HEJ~~

(Hungarian) Diesel lubricating oil additive
 Benzene (Magyar Kémiai és Fényképészeti Kutató Intézet, Budapest). Magyar Kém. Lapja 12, 124 (1958). An antioxidant for Diesel lubricating oil. M-21 has the formula $(RC_6H_4O)_2P(S)SNaOH$, where R is hydrocarbon chain of approx. 25 C atoms. Detergents for these oils are designed M/A-4.1 and have the general formula 1.



D

represents hydrocarbon chains of 5-15 C atoms. M-21, the ethylene ester of aminocanthogenic acid, although a good antioxidant, is too expensive for general use.

G. J. Roun...

gpb 7-7

EENCZE, Peter; BABOCZY-KAMPOS, Klara

Contribution to the synthesis of dithiophosphoric acid
containing additives. Acta chimica Hung 31 no.1-3:
53-65. '62.

1. Ungarisches Erdol und Erdgas Forschungsinstitut.

BENCZE, P.

Diurnal and annual variation of atmospheric electric agitation.
Acta techn Hung 47 no. 1/2:87-95 '64.

1. Geophysikalishces Forschungslaboratorium der Ungarischen
Akademie der Wissenschaften, Sopron.

L 63900-65 EWT(m)/EFF(c)/T DJ

ACCESSION NR: AT5022533

HU/2502/64/042/002/0173/0180

AUTHOR: Fencze, Peter (Veszprem); Khatteb, Samir Ahmed (Doctor)(Cairo); Freund,
Mihaly (Professor, Doctor)(Budapest)

TITLE: Dialkylphenoldithiophosphate lubricating oil additives

SOURCE: Academiae scientiarum hungaricae. Acta chimica, v. 42, no. 2, 1964, 173-180

TOPIC TAGS: lubricating oil, detergent additive, phosphate, alkylation

Abstract: [English article; authors' English summary] The preparation of a dithiophosphate type detergent lubricating oil additive was discussed in detail and the preparative factors influencing its properties were investigated. The conditions necessary to improve and achieve its thermal stability were established. The color of the additive was greatly improved by using $ZnCl_2$ and Zn powder catalysts in the alkylation step instead of $AlCl_3$. The activity of these catalysts was compared. Diesel engine testing results of the detergent additive prepared from a $ZnCl_2$ alkylate and from an $AlCl_3$ alkylate were given and compared. Orig. art. has 2 figures and 5 tables.

ASSOCIATION: Hungarian Oil and Gas Research Institute, Veszprem, Budapest and
Petfurdo; Khatteb--University, Cairo
 Card 1/2

L 63900-65

ACCESSION NR: AT5022533

SUBMITTED: 12May64

NO REF SOV: 000

ENCL: 00

OTHER: 007

SUB CODE: FP, OC

JPRS

llc
Card 2/2

BENCZE, Pal

HUNGARY

HUNGARY

BENCZE, Pal, and MARCZ, Ferenc, of the Geophysical Research Laboratory at the Hungarian Academy of Sciences (Magyar Tudomanyos Akademia Geofizikai Kutato Laboratoriuma) in Sopron.

"Studies on Peak-Discharge Currents"

Budapest, A Magyar Tudomanyos Akademia Muszaki Tudomanyok Osztalnanak Kozlemenyei, Vol 32, ~~xxxx~~ No 1-4, 1963, pp 137-44.

Abstract: Peak-discharge currents are recorded at the Nagycenk geophysical observatory and evaluated with a planimeter. An observation period of one year showed that the average daily distribution of negative and positive currents showed five hours minimum and 17 hours maximum. During the year, the minima tend to concentrate to the winter season and the maxima to the summer season. The observations will be continued to establish a long-term trend. Three references to Western publications.

SO: JPRS 21,730, Abs from EE S & T Journals #341, 5 Nov 63, UNCLASSIFIED.

BENCZE, Tibor

Grounding of television aerials. Musz elet 15 no.14:11 J1 '60.
(Television) (EEAI 9:9)

BENCZE, Tibor Laszlo

The Monoscope. Musz élet 15 no.16:11 Ag '60.
(Hungary--Television)

(EEAI 10:1)

BENCZE, Tibor Laszlo

What kind of television set should I buy? Musz elet 15 no.18:6
S '60. (EEAI 9:12)

(Hungary--Television)

BENCZE, Tibor Laszlo

Industrial television with spiral scanning. Musz elet 15 no.22:11
0 '60. (EEAI 10:3)

(Industrial television)

BENOZE, Tibor

Analysis of picture faults on the screen of a television receiver. IV. (To be contd). Kex hang 2 no.5, 150-155 0 '61.

BENCZE, Tibor

Analysis of picture troubles on a TV screen. V. Kep hang 7 no.6:
185-188 D '61.

(Television)

BENCZE, Tibor Laszlo

Continuous measurement of the television transmitter and transmission system during the period of operation. Musz elet 16 no.2:6 Ja '61.
(EEAI 10:9)

(Television)

BENCZE, Tibor Laszlo

The television set without "line". Husz elet 16 no.23:12 N '61.

BENCZE, Tibor

Analysis of picture faults on the screen of television
receiver. VI. (To be contd.) Kep hang 8 no.1:13-16 Ja '62.

BENCZE, Tibor

Analysis of picture defects on the screen of the television
picture tube.(Pt.7). Kep hang 8 no.2:58-61 Ap '62.

BENCZE, Tibor

Analyses of picture faults on the screen of television
receivers. Pt.8. (To be contd.) Kep hang 8 no.4:115-120
Ag '62.

BENCZE, Tibor

Picture fault analysis on the screen of television receiving sets.
Pt. 3. Kep hang 6 no.4:122-127 Ag '60.

BENCZE, Tibor Laszlo

Pre-fabricated printed electric circuit. Musz elet 17 no.9:12 Ap
'62.

BENCZE, Tibor Laszlo

Television interferences. Musz elet 17 no.20:1 27 S '62.

BENCZE, Tibor

Image defect analysis on the screen of a television set. Pt. 2.
(To be contd.). Kep hang 5 no.3:73-76 Je '59.

BENCZE, Tibor

Image faults analysis on the screen of a television receiver. IX.
(To be contd.). Kep hang 8 no.5:154-158 0 '62.

BENCZE, Tibor

Analysis of image defects on the screen of television receiving
sets.X.(Conclusion). Kep hang 6 no.6:187-3 of cover D '62.

BENCZE, Tibor

Television screen without "lines." Kép hang 9 no.1:28-31 F '63.

HENCZE, Tibor László

The future of television. Musz elet 17 no.26:11 20 D '62.

BENCZE, Tibor Laszlo

Television room antennas. Musz elet 17 no.24:14 22 N '62.

BENCZE, Tibor Laszlo

TV-program in shady, reflexive regions. Musz elet 18
no. 5:11 28 F '63.

BENCZE, Tibor

Television screen without "lines". Musz elet 18 no.8:15
11 Ap '63.

BENCZE, Tiber Laszlo

Piezoelectric ceramic filter. Musz elet 18 no.19:11 12 S '63.

BENCZE, Tibor

Frequency modulated ultrashort wave radiobroadcasting in Hungary.
Radiotechnika 14 no.10:381-382 0 '64.

BENCZE, Tibor Laszlo

Television relay stations. Musz elet 19 no.23,10
5 II '64.

BENCZE, Tibor

A 5-battery Yagi antenna. Radiotechnika 15 no.1:14 Ja '65.

PENGZEL, B.

Initiative in the production of substitutes for bricks. p. 2.

CONSTRUCTORUL. (Ministerul Constructiilor si Industrii Materialelor de Constructii si Uniunea Sindicatelor de Salariați din Intreprinderile de Constructii) Bucuresti. Vol. 7, no. 293, Aug. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

BENCZEL, E.

Advantages of heavy prefabricated parts. p. 2. CONSTRUCTORUL.
(Ministerul Constructiilor si Industriei Materialelor de Constructii si Uniunea
Sindicatelor de Salariatii din Intreprinderile de Constructii) Bucuresti.
Vol. 7, no. 303, Nov. 1955.

So. East European Accessions List

Vol. 5, No. 9

September, 1956

BENCZEL, Bela, correspondent

At -- 22⁰. Const Buc 16 no.732:1

18 Ja'64.

BENCZIK, S.

AGRICULTURE

PERIODICAL: MAGYAR MEZOGAZDASAG. Vol. 10, no. 21, Nov. 1955.

Benczik, S. Results in the increase of fertility of the "mangalica" pigs. p. 14.

Monthly list of East European Accessions (EEAI) LC. Vol. 8, No. 2,
February 1959, Unclass.

BENCZUR, GYULA, DR.

BOROVICZENY, K. Gyorgy, Dr.; LIKITS, Edit, Dr.; BENCZUR, Gyula, Dr.

The case of the macroglobulinemia of Waldenström and Waldenström's
hyperglobulinemica purpura. Orv. hetil. 99 no.7:237-240 16 Feb 58.

1. A Fovarosí Arpad Kózkorház (igazgató: Lorand Sándor dr. kandidatus)
Laboratóriumának (Főorvos: Szirmai Endre dr.) Belosztályának (főorvos:
Farkas Jeno dr.) és a Fovarosí XI. kerületi Rendelőintézet (igazgató:
Királyhegyi Robert dr.) közleménye.

(SERUM GLOBULIN

macroglobulinemia of Waldenström, case report (Hun))
(PURPURA, NONTHROMBOPENIC, case reports
hyperglobulinemic (Hun))

L 39909-66 T JK

ACC NR: AP6029389

SOURCE CODE: HU/0021/65/000/006/0374/0378

AUTHOR: Petranyi, Gyozo--Petran'i, D. (Doctor; Junior); Benczur, Miklos--
Bentsur, M. (Doctor) 43
B

ORG: Medical-Radiological Research Group/headed by Doctor, Professor Z. Zsebok/, MTA
(Orvos-Radiologiai Kutato Csoport, MTA)

TITLE: Immuno-electrophoretic study of changes in serum protein produced by
radiation 22

SOURCE: Magyar radiologia, no. 6, 1965, 374-378

TOPIC TAGS: serum, protein, electrophoresis, rat, radiation biologic effect

ABSTRACT: The immuno-electrophoretic appearance of the plasma proteins of rats irradiated with 600 r and 1500 r have been examined. The disappearance of certain components and the appearance of new precipitation curves has been demonstrated by means of antisera produced against the plasma proteins of normal and irradiated animals. An attempt is made in the article to interpret the present observations. Orig. art. has: 2 figures. [JPRS: 34,161]

SUB CODE: 06, 07 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 016

Card 1/1

PROCESS AND PROPERTIES INDEX																									
1ST AND 2ND LETTERS													3RD AND 4TH LETTERS												
5 Thermal Analysis of Open-Hearth Furnace Operation. A. Bezda. (Hutnické Listy, 1950, vol. 5, Nov., pp. 454-457). (In Czech). The efficiency of heat utilization in the iron and steel industry is considerably lower than in the electricity supply industry. Most investigations on fuel consumption in the metallurgical industry have been purely statistical. The author carried out a mathematical analysis of the factors which influence the fuel efficiency of open-hearth furnaces and developed formulae for determining fuel consumption, and for the relation between specific fuel consumption and stack draught. The equations are used to indicate the measures to be taken to increase the fuel efficiency after a simple calculation of the heat and draught characteristics. n. o. 7																									
ASM - SCA METALLURGICAL LITERATURE CLASSIFICATION 1ST AND 2ND LETTERS																									
1ST AND 2ND LETTERS 3RD AND 4TH LETTERS																									

5 7

Thermal Balance of the Open-Hearth Furnace and Automatic Control. A. Hengla. (*Hutník*, (Prague), 1951, 1, No. 11, 242-244; No. 12, 265-266). [In Czech]. The main features of the heat balance in the open-hearth furnace are considered. These are: Calorific value of fuel, temperature of gas and air after preheating, optimum size and emissivity of the flame in relation to furnace size, heat outflow from the furnace, checker temperature, gas-flow reversal, escape of smoke, and the optimum fuel/air ratio. The question of maintaining optimum flame temperatures by relating fuel input to charging speed is considered, and other methods of controlling the heat balance are discussed. P. 1.

Mel. Rev
1952

D-Ironous Reduction
And Refining

28-D. Theory of Heat Transfer in Openhearth Furnaces and Its Consequences. (In Czech.) Antonin Henda. *Hutnické Listy*, v. 6, Sept. 1951, p. 433-439.

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(Hutník, (Prague,) 1952, 2, 1, 8-9). (In Czech). Methods
of automatically controlling fuel input, fuel/air ratio, pressure
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1. State Institute Energoprojekt, Prague.

REEL # 46

BELYAVSKIY, M.M.

TO

BENDA, ALEXANDR.

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